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PHOTOGRAPHIC INTERPRETATION REPORT



[REDACTED]
BLUE SPRINGS MISSION 5520

5 AUGUST 1966

NPIC/R-335/66

SEPTEMBER 1966

Declass Review By NIMA/DOD

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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WARNING

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PREFACE

This summary report contains additional information on "new" and "change" targets and order of battle information on all targets listed in the index (MI) for this mission.

Items are arranged in sections.

The "New" section provides a description of targets newly identified or known but reported for the first time by NPIC.

The "Change" section provides a description of previously reported installations showing a major change, or those where an analysis of current photography furnishes more precise information.

The "Order of Battle" section provides information on targets where order of battle can be identified.

When there are no "New" or "Change" targets, or order of battle information, the appropriate section is omitted.

"New" and "change" targets are arranged 1) by country, 2) within the country according to subject, 3) within the subject by WAC area, and 4) within the WAC area by geographic coordinates in ascending order. Order of battle information is arranged 1) by subject, 2) within the subject according to country, 3) within the country by WAC area, and 4) within the WAC area by geographic coordinates in ascending order.

Map base used for derivation of coordinates is the best available among these series: US Air Target Chart, Series 200; AMS; ONC; or DIA JOG, 1:250,000.

The header line for each target contains, reading from left to right, the target name, the geographic coordinates,

the World Aeronautical Chart number, the Bombing Encyclopedia (BE) number, and the NPIC target number.

The COMOR target number, when available, appears above the photo reference data.

Photo reference data includes frame numbers and symbols denoting limiting conditions, photo interpretability, target coverage, and the mode.

Symbols for limiting conditions affecting photography are C (Clear), SC (Scattered Cloud Cover), HC (Heavy Cloud Cover), H (Haze), CS (Cloud Shadow), S (Snow), O (Obliquity), SD (Semidarkness), GC (Ground Cover), CF (Camouflage), and GR (Ground Resolution).

Interpretability of the photography is categorized as G (Good), F (Fair), and P (Poor). Target coverage is denoted by the symbols T (Total) or PT (Partial). The mode of coverage is indicated by ST (Stereo), NS (Non-Stereo), or PS (Partial Stereo).

When appropriate, an index follows "new" and "change" targets and another follows order of battle information, with targets in each index arranged alphabetically within a country.

AAA defenses are divided into three categories: light (ZPU-1, ZPU-2, ZPU-4, 37 mm), medium (57 mm, 85mm), and heavy (100 mm and larger). The term HMGAA (heavy machine gun antiaircraft) indicates a weapon smaller than a ZPU-1. Where a category cannot be determined, the site will be listed as an AAA site and the number of guns indicated (example: 6-gun AAA site, occupied/unoccupied).

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THIS SECTION PROVIDES A DESCRIPTION OF NEW TARGETS.

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>=NORTH VIETNAM=</p> <p>MILITARY INSTALLATIONS</p> <p>GIAP NHAT SUPPLY AND MAINTENANCE FACILITY 4 NM SOUTH OF HA NOI. FACILITY CONSISTS OF 2 AREAS. AREA A (UTM WJ879194) -- 31 VEHICLE MAINTENANCE, 1 BARRACKS WITH ADJOINING MESSHALL, 2 ADMINISTRATION, AND 15 STORAGE/SUPPORT BUILDINGS. OB -- 56 CARGO TRUCKS, 4 VAN TRUCKS, 2 POL TRUCKS, 1 WHEELED TRACTOR, 35 CARGO TRAILERS, AND 1 POL TRAILER. ACTIVITY -- 1 POL TANK AND NUMEROUS POL DRUMS. AREA B (UTM WJ879199) -- 18 VEHICLE MAINTENANCE AND 7 STORAGE/SUPPORT BUILDINGS. OB -- 24 CARGO TRUCKS, 1 POL TRUCK, 7 TRACTORS, AND 5 MOBILE GENERATORS. (SEE ATTACHMENT 1)</p>	2058N 10550E	0616		256-K

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>BAC MAI BARRACKS</p> <p>1 NM SOUTH OF HA NOI AT UTM WJ887200.</p> <p>FACILITY CONSISTS OF 3 AREAS.</p> <p>AREA A -- BARRACKS AREA SERVED BY ROUTE 1A CONSISTS OF 56 BARRACKS, 1 MESSHALL, AND 46 SUPPORT BUILDINGS.</p> <p>AREA B -- STORAGE AREA CONSISTS OF 10 STORAGE AND 9 SUPPORT BUILDINGS.</p> <p>AREA C -- ADMINISTRATION AREA CONSISTS OF 8 ADMINISTRATION AND 16 SUPPORT BUILDINGS.</p> <p>OB -- 20 CARGO TRUCKS, 2 POL TRUCKS, 1 POL TRAILER, 1 TRUCK-MOUNTED CRANE, AND 1 POSSIBLE MOBILE GENERATOR.</p>	2058N 10551E	0616		112-E2
<p>CHU MAU PROBABLE BARRACKS AREA U/C</p> <p>NE EDGE OF CHU MAU AND 4 NM SE OF BAC NINH.</p> <p>PROBABLE BARRACKS AREA UNDER CONSTRUCTION CONTAINS MULTISECTIONED BUILDINGS WITH PREFABRICATED ARCHED ROOFS.</p> <p>AREA CONSISTS OF 8 BUILDINGS, EACH CONTAINING 9 SECTIONS, AND 1 BUILDING CONTAINING 4 SECTIONS.</p> <p>A POSSIBLE SUPPORT AREA CONSISTS OF 3 LARGER MULTISECTIONED BUILDINGS. TWO OF THE BUILDINGS HAVE ARCHED ROOFS AND CONTAIN 9 SECTIONS AND 10 SECTIONS RESPECTIVELY. THE THIRD BUILDING IS UNDER CONSTRUCTION, HAS GABLE ROOFS, AND CONTAINS 10 SECTIONS. A SECURITY/FLOOD WALL IS UNDER CONSTRUCTION ON THE NORTH SIDE OF THE INSTALLATION.</p> <p>ACTIVITY -- AT LEAST 5 DUMP TRUCKS, 6 CARGO TRUCKS, 2 SEMITRACTORS, 1 SEDAN, AND 10 UNIDENTIFIED PIECES OF EQUIPMENT/VEHICLES.</p> <p>(SEE ATTACHMENT 2)</p>	2109N 10606E	0616		206-J

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>ELECTRONICS/COMMUNICATIONS</p> <p>HA DONG RADAR SITE</p> <p>1.5 NM SE OF HA DONG AT UTM WJ826165.</p> <p>OB == 1 REVETTED FLAT FACE RADAR AND</p> <p>1 GENERATOR VAN.</p> <p>(SEE ATTACHMENT 3)</p>	2056N 10547E	0616		256-J

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THIS SECTION PROVIDES A DESCRIPTION OF PREVIOUSLY REPORTED TARGETS SHOWING CHANGE.

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p align="center">-NORTH VIETNAM-</p> <p>AIR INSTALLATION</p> <p>SON TAY AIRFIELD UNDER CONSTRUCTION</p> <p>6.3 NM SOUTH OF SON TAY.</p> <p>CONSTRUCTION CONTINUES WITH NW/SE RUNWAY BEING GRADED AND 3 AIRCRAFT REVETMENTS UNDER CONSTRUCTION AT NW END OF RUNWAY.</p> <p>ACTIVITY -- 2 GRADERS, 10 TRACTORS, 3 TOWED SCRAPERS, 20 TOWED PACKERS, AND 9 UNIDENTIFIED PIECES OF EQUIPMENT. SUPPORT AREA 0.3 NM EAST CONTAINS 1 CRANE SHOVEL, 8 TRACTORS, AND 5 TOWED SCRAPERS.</p> <p>COMOR [REDACTED]</p> <p>[REDACTED]</p>	2101N 10531E	0616	[REDACTED]	244-D
<p>MILITARY INSTALLATIONS</p> <p>HA NOI STORAGE DEPOT CO BI</p> <p>4.2 NM EAST OF HA NOI RAILROAD STATION</p> <p>CLASSIFICATION YARD AND SHOPS [REDACTED]</p> <p>DEPOT CONSISTS OF 6 AREAS.</p> <p>AREA A -- SECURED STORAGE AREA CONSISTS OF 4 LARGE WAREHOUSE-TYPE AND 9 SUPPORT BUILDINGS.</p> <p>AREA B -- SECURED STORAGE AREA ADJACENT TO AREA A CONSISTS OF ONE 2-STORY PROBABLE BARRACKS, 4 PROBABLE STORAGE BUILDINGS, 7 SUPPORT BUILDINGS, AND A WATER TOWER.</p> <p>AREA C -- UNSECURED AREA EAST OF AREAS A AND B CONSISTS OF FIVE 3-STORY BARRACKS, ONE 2-STORY H-SHAPED ADMINISTRATION, 1 AUDITORIUM, 1 MESSHALL, AND 15 SMALL SUPPORT BUILDINGS.</p>	2102N 10555E	0616	[REDACTED]	114-B

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
AREA D -- SECURED VEHICLE STORAGE AREA WEST OF AREAS A AND B CONSISTS OF 2 VEHICLE SHEDS, 1 VEHICLE MAINTENANCE SHED, 1 REVETTED BUILDING, 2 SUPPORT BUILDINGS, AND 3 SMALL SHEDS. AREA E -- SECURED BARRACKS AND STORAGE AREA ADJACENT TO AREA D CONSISTS OF 1 BARRACKS, 2 STORAGE, AND 15 ADMINISTRATION/SUPPORT BUILDINGS. UNIDENTIFIED MATERIALS ARE OBSERVED IN OPEN STORAGE. AREA F -- SECURED EXPLOSIVES STORAGE AREA ADJACENT TO AREAS D AND E CONSISTS OF 1 REVETTED STORAGE AND 1 SMALL SUPPORT BUILDING. OB -- 10 CARGO TRUCKS. [REDACTED]				
SON TAY ARMY BARRACKS SW TONG FACILITY CONSISTS OF 6 AREAS. AREAS A, B, AND E -- NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED] AREA C -- CLOUD COVERED. AREA D -- IDENTIFICATION ONLY. AREA F -- (3.1 NM SW OF SON TAY AT UTM WJ484336) -- 14 MISCELLANEOUS BUILDINGS REMAIN INTACT. ALL OTHERS HAVE BEEN RAZED. [REDACTED]	2107N 10528E	0616	[REDACTED]	248

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THIS SECTION PROVIDES ORDER OF BATTLE INFORMATION.

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>—NORTH VIETNAM—</p> <p>AIR</p> <p>HANOI/GIA LAM AIRFIELD</p> <p>OB -- 9 FAGOT/FRESCO, 1 PROBABLE FAGOT/FRESCO, 3 COKE, 8 CRATE, 3 CAB (1 WITHOUT WING PANELS), 2 COLT, 1 SMALL SINGLE-ENGINE STRAIGHT-WING, 2 HOOK, 8 HOUND, AND 2 PROBABLE HOUND.</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>GROUND</p> <p>GIAP NHAT SUPPLY AND MAINTENANCE FACILITY</p> <p>OB -- 80 CARGO TRUCKS, 4 VAN TRUCKS, 3 POL TRUCKS, 7 TRACTORS, 1 WHEELED TRACTOR, 35 CARGO TRAILERS, 1 POL TRAILER, AND 5 MOBILE GENERATORS.</p> <p>ACTIVITY -- 1 POL TANK AND NUMEROUS POL DRUMS. (SEE ATTACHMENT 1)</p> <p>[REDACTED]</p> <p>BAC MAI BARRACKS</p> <p>OB -- 20 CARGO TRUCKS, 2 POL TRUCKS, 1 POL TRAILER, 1 TRUCK-MOUNTED CRANE, AND 1 POSSIBLE MOBILE GENERATOR.</p> <p>[REDACTED]</p> <p>HA NOI STORAGE DEPOT CO BI</p> <p>OB -- 10 CARGO TRUCKS.</p> <p>[REDACTED]</p>	<p>2102N 10553E</p> <p>2058N 10550E</p> <p>2058N 10551E</p> <p>2102N 10555E</p>	<p>0616</p> <p>0616</p> <p>0616</p> <p>0616</p>	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	<p>114</p> <p>256-L</p> <p>112-E2</p> <p>114-B</p>

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	Target	Coordinates	WAC	Target Numbers	
				BE	NPIC
25X1D	ELECTRONICS/COMMUNICATIONS HA DONG RADAR SITE OB -- 1 REVETTED FLAT FACE RADAR AND 1 GENERATOR VAN. (SEE ATTACHMENT 3) [REDACTED]	2056N 10547E	0616		256-J
25X1D	MISCELLANEOUS TRUCK PARK EAST OF HA DONG NINE POL TRUCKS AND 11 UNIDENTIFIED VEHICLES OBSERVED UNDER TREES BETWEEN A ROAD AND A CANAL 2.4 NM EAST OF HA DONG AT UTM WJ858183. [REDACTED]	2057N 10549E	0616		
25X1A 25X1D	SONI TAY AIRFIELD UNDER CONSTRUCTION ACTIVITY -- 2 GRADERS, 10 TRACTORS, 3 TOWED SCRAPERS, 20 TOWED PACKERS, AND 9 UNIDENTIFIED PIECES OF EQUIPMENT. SUPPORT AREA 0.3 NM EAST CONTAINS 1 CRANE SHOVEL, 8 TRACTORS, AND 5 TOWED SCRAPERS. [REDACTED] [REDACTED]	2101N 10531E	0616	[REDACTED]	244-D
25X1D	CHU MAU PROBABLE BARRACKS AREA U/C ACTIVITY -- AT LEAST 5 DUMP TRUCKS, 6 CARGO TRUCKS, 2 SEMITRACTORS, 1 SEDAN, AND 10 UNIDENTIFIED PIECES OF EQUIPMENT/VEHICLES. (SEE ATTACHMENT 2) [REDACTED]	2109N 10606E	0616		206-J

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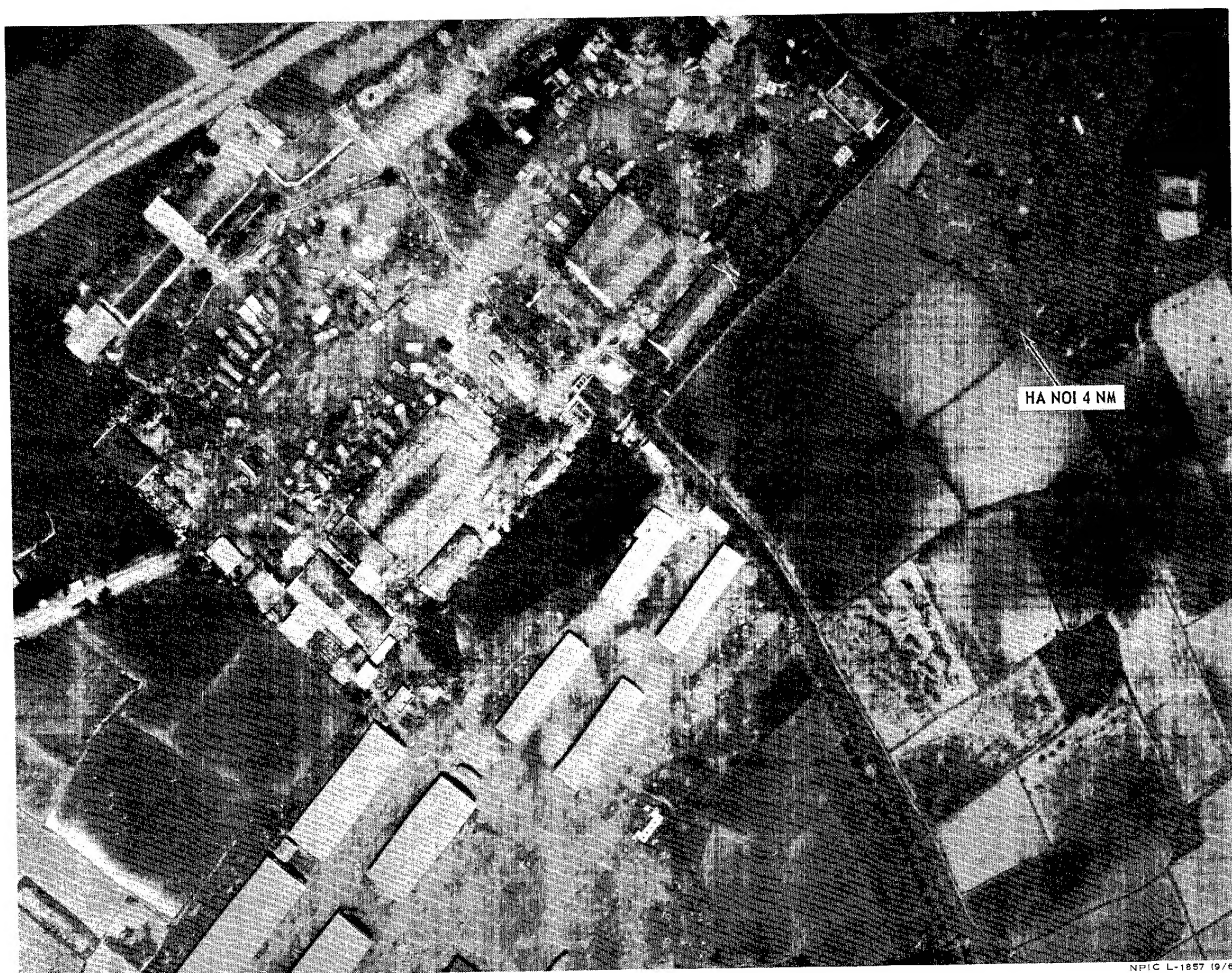
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ATTACHMENT 1



GIAP NHAT SUPPLY AND MAINTENANCE FACILITY, NORTH VIETNAM

NPIC L-1857 19/66

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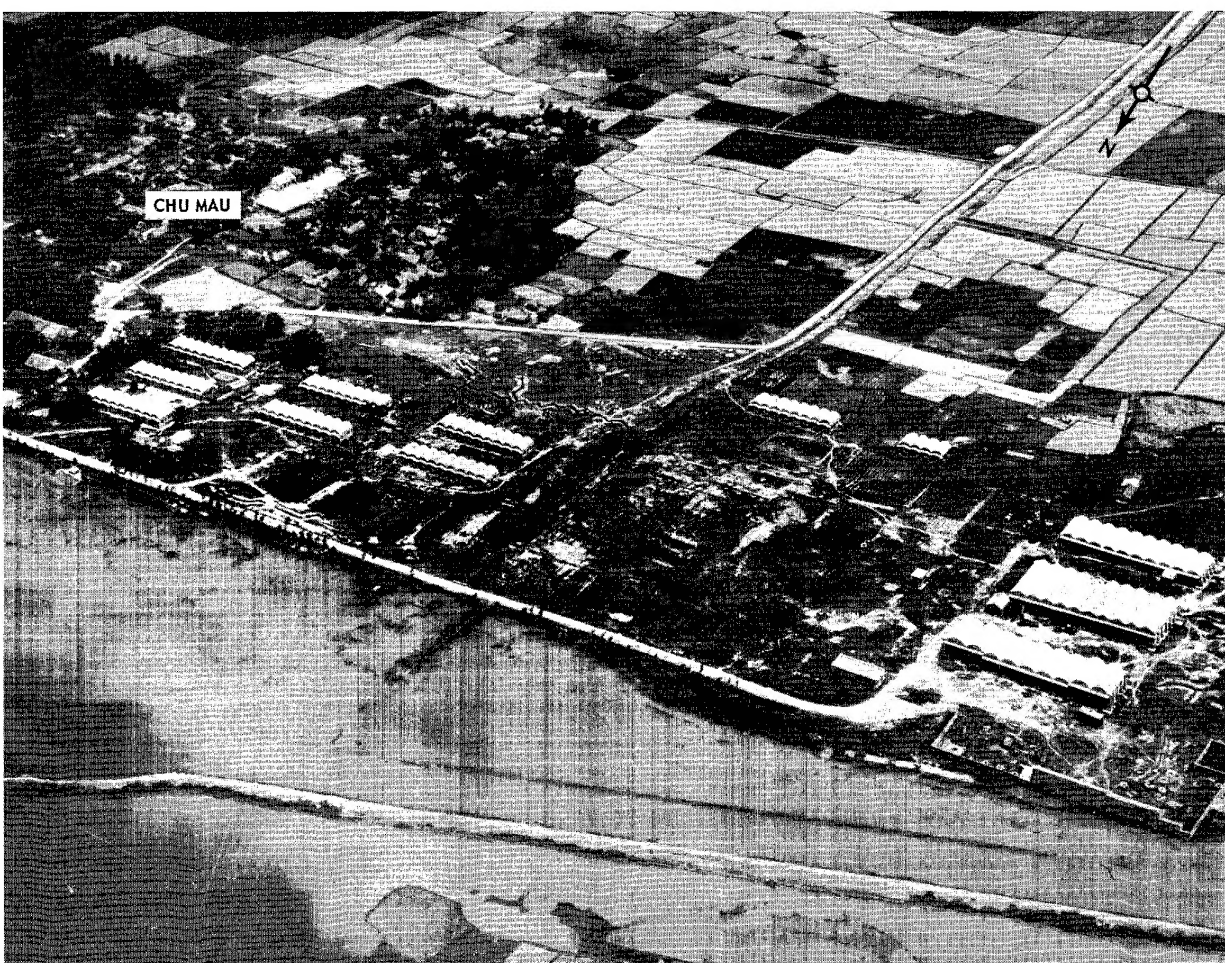
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ATTACHMENT 2

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CHU MAU PROBABLE BARRACKS AREA UNDER CONSTRUCTION, NORTH VIETNAM

NPIC L-1880 (9/66)

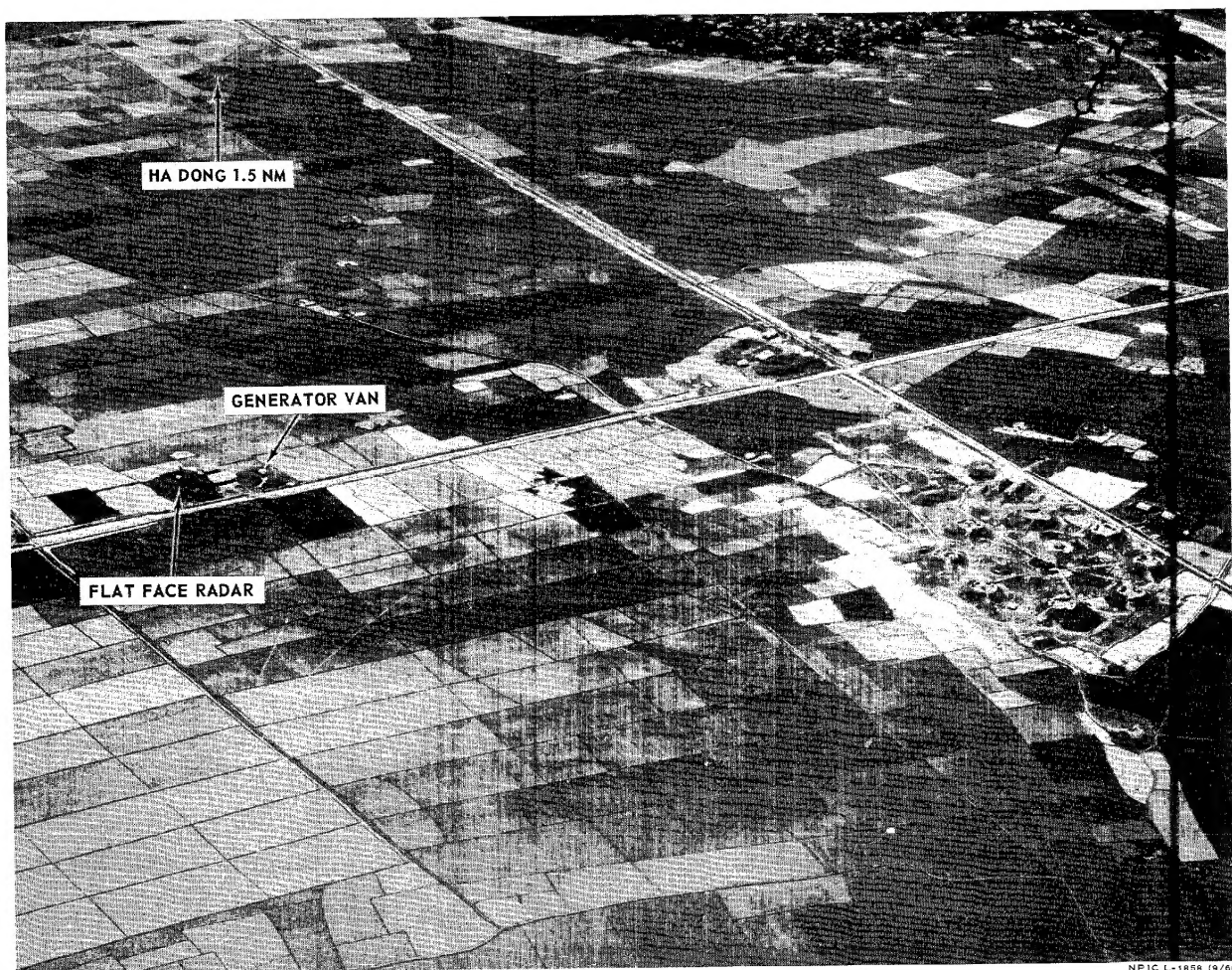
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HA DONG RADAR SITE, NORTH VIETNAM

NPIC L-1858 (9/66)

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